

# **SPARE PARTS**HIGH PRESSURE WATER PUMPS



HPW 520 /30-85

HPW520\_30-85\_Spare\_Parts\_MEA-IPL1.0





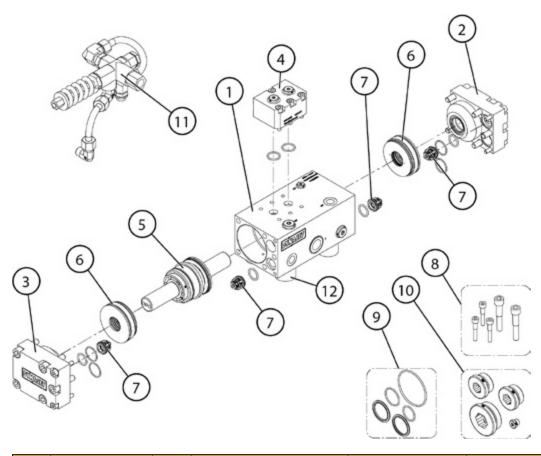
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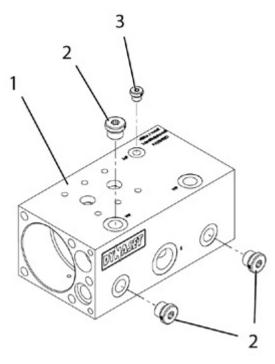
# **MAIN COMPONENTS**



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1		1	CENTER BODY		See separate part list
2		1	HEAD RIGHT		See separate part list
3		1	HEAD LEFT		See separate part list
4		1	PT BLOCK		See separate part list
5		1	PISTON		See separate part list
6		2	SEAL FLANGE		See separate part list
7		1	WATER VALVE KIT		See separate part list
8			SCREW KIT		See separate part list
9			SEAL KIT		See separate part list
10			PLUG KIT		See separate part list
11			UNLOADER VALVE		See separate part list
12	V100 100 001	1	RUBBER CUSHION KIT	D40 / H30 - M8	
	D214 901 060		PRESSURE GAUGE KIT		



# **CENTER BODY**



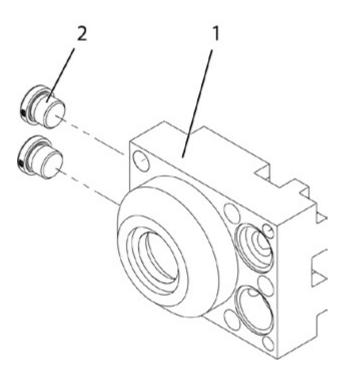
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 102 130	1	CENTER BODY	D75	Includes pos. 2-3
2	*	3	HEXAGON SOCKET CAP PLUG	R3/8	Stainless steel
3	*	1	HEXAGON SOCKET CAP PLUG	R1/8	Stainless steel
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 102 132	1	CENTER BODY AB	D75 - AB	Includes pos. 2-3
2	*	3	HEXAGON SOCKET CAP PLUG	R3/8	Stainless steel
3	*	1	HEXAGON SOCKET CAP PLUG	R1/8	Stainless steel
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
POS 1	PART NUMBER V100 102 133	QTY 1	DESCRIPTION  CENTER BODY SUB	DETAILS D75 - SUB	DETAILS 2 Includes pos. 2-3
1	V100 102 133	1	CENTER BODY SUB	D75 - SUB	Includes pos. 2-3
1 2	V100 102 133 *	1 3	CENTER BODY SUB HEXAGON SOCKET CAP PLUG	D75 - SUB R3/8	Includes pos. 2-3 Stainless steel
1 2 3	V100 102 133 * *	1 3 1	CENTER BODY SUB HEXAGON SOCKET CAP PLUG HEXAGON SOCKET CAP PLUG	D75 - SUB R3/8 R1/8	Includes pos. 2-3 Stainless steel Stainless steel
1 2 3 POS	V100 102 133  *  *  PART NUMBER	1 3 1 QTY	CENTER BODY SUB HEXAGON SOCKET CAP PLUG HEXAGON SOCKET CAP PLUG DESCRIPTION	D75 - SUB R3/8 R1/8 DETAILS	Includes pos. 2-3 Stainless steel Stainless steel DETAILS 2

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

Plugs are also available in Plug kit, see page 14.



# 2. HEAD RIGHT



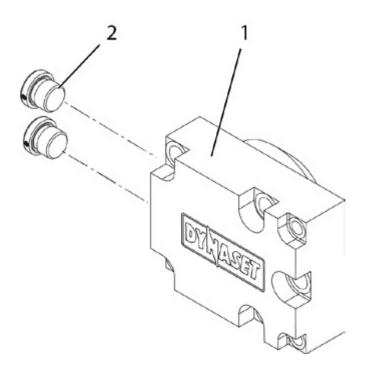
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 102 140	1	HEAD RIGHT	D79 / d30	Includes pos. 2
2	*	2	HEXAGON SOCKET CAP PLUG	R3/8	Stainless steel
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 102 141	1	HEAD RIGHT AB	D79 / d30	Includes pos. 2
2	*	2	HEXAGON SOCKET CAP PLUG	R3/8	Stainless steel
			,		
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
POS 1	PART NUMBER V100 102 142	QTY 1	DESCRIPTION HEAD RIGHT SUB	DETAILS D79 / d30	DETAILS 2 Includes pos. 2
POS 1 2					
1	V100 102 142	1	HEAD RIGHT SUB	D79 / d30	Includes pos. 2
1 2	V100 102 142 *	1 2	HEAD RIGHT SUB HEXAGON SOCKET CAP PLUG	D79 / d30 R3/8	Includes pos. 2 Stainless steel

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

Plugs are also available in Plug kit, see page 14.



#### 3. **HEAD LEFT**



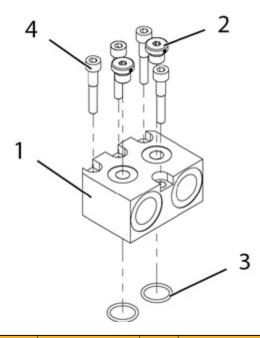
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 102 145	1	HEAD LEFT	D79 / d30	Includes pos. 2
2	*	2	HEXAGON SOCKET CAP PLUG	R3/8	Stainless steel
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 102 146	1	HEAD LEFT AB	D79 / d30	Includes pos. 2
2	*	2	HEXAGON SOCKET CAP PLUG	R3/8	Stainless steel
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
POS 1	PART NUMBER V100 102 147	QTY 1	DESCRIPTION HEAD LEFT SUB	DETAILS D79 / d30	DETAILS 2 Includes pos. 2
POS 1 2		QTY 1 2			
1	V100 102 147	1	HEAD LEFT SUB	D79 / d30	Includes pos. 2
1 2	V100 102 147 *	1 2	HEAD LEFT SUB HEXAGON SOCKET CAP PLUG	D79 / d30 R3/8	Includes pos. 2 Stainless steel

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

Plugs are also available in Plug kit, see page 14.



# 4. PT BLOCK



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 100 710		PT BLOCK KIT - ST		Includes pos. 1-4
1	*	1	PT BLOCK	R3/4 - St	Steel
2	*	2	HEXAGON SOCKET CAP PLUG	R1/4	
3	*	2	O-RING	21,3 x 2,4	
4	*	4	HEXAGON SOCKET CAP SCREW	M8x45	

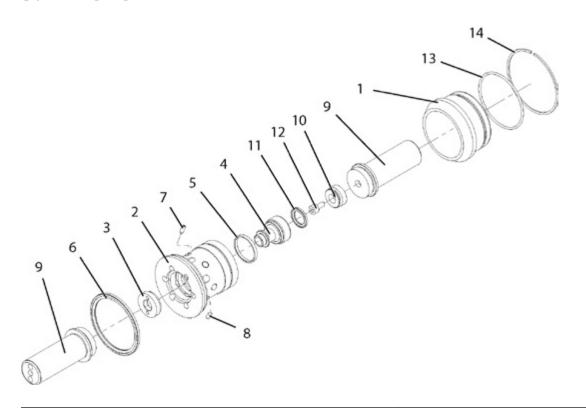
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 100 720		PT BLOCK KIT - AIS		Includes pos. 1-4
1	*	1	PT BLOCK	R3/4 - AIS	Stainless Steel
2	*	2	HEXAGON SOCKET CAP PLUG	R1/4	Stainless Steel
3	*	2	O-RING	21,3 x 2,4	
4	*	4	HEXAGON SOCKET CAP SCREW	M8x45	Stainless Steel

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

Screws are also available in Screw kit, see page 11. Seals are also available in Seal kit, see page 12.



#### **5. PISTON**



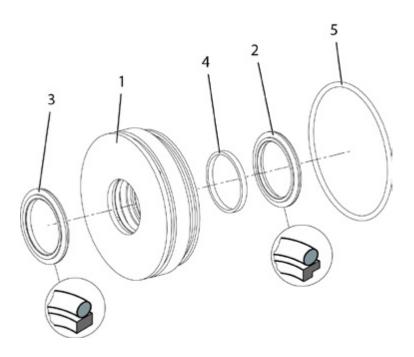
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 110		PISTON KIT	Piston kit includes 2 Secondary pistons	Includes pos. 1-14
1	*	1	CYLINDER LINER	D57,1	
2	*	1	HYDRAULIC PISTON	D75 / d57,1	
3	*	1	VALVE SEAT	D29,5-8	
4	*	1	VALVE SPOOL	D30-36,5	
5	*	1	ROD SEAL	30/33-3,5	
6	*	1	PISTON SEAL ASSEMBLY	M75	
7	*	1	SET SCREW	M5 x 10	
8	*	1	SET SCREW	M5 x 6	
9	V100 102 190	1	SECONDARY PISTON	D30	
10	V100 102 185	1	REVERSAL VALVE GUIDE	D22,5 - L21	Includes pos. 11-12
11	*	1	PISTON SEAL ASSEMBLY	M24	
12	*	1	HEXAGON SOCKET CAP SCREW	M6 x 12	
13	*	1	O-RING	69,52 x 2,62	
14	*	1	LOCK RING	68 x 2	
	V100 102 100		HYDRAULIC PISTON KIT	Secondary pistons excluded	Includes pos. 1-8, 13-14

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

Seals are also available in Seal kit, see page 12.



# 6. SEAL FLANGE



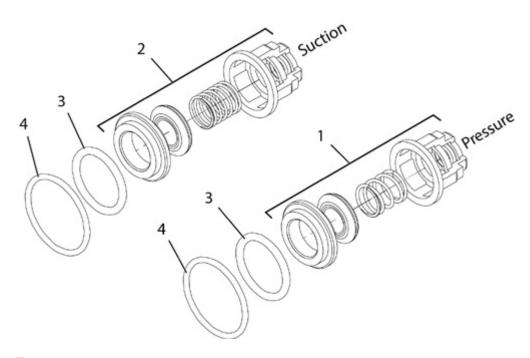
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 155		SEAL FLANGE KIT		Includes pos. 1-5
1	V100 102 150	1	SEAL FLANGE	D79 / d30	
2	*	1	WATER PISTON SEAL	1T	
3	*	1	WATER PISTON SEAL	2T	
4	*	1	WEAR RING	30/33-3	
5	*	1	O-RING	69,52 x 2,62	

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

Seals are also available in Seal kit, see page 12.



#### **WATER VALVE** 7.



# NOTE! The pressure valve's spring (1) has less turns than the suction valve's (2) spring.

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 195		WATER VALVE KIT		Includes pos. 1-4
1	*	2	WATER VALVE	Pressure	
2	*	2	WATER VALVE	Suction	
3	*	4	O-RING	20,3 x 2,62	
4	*	4	O-RING	27 x 2	

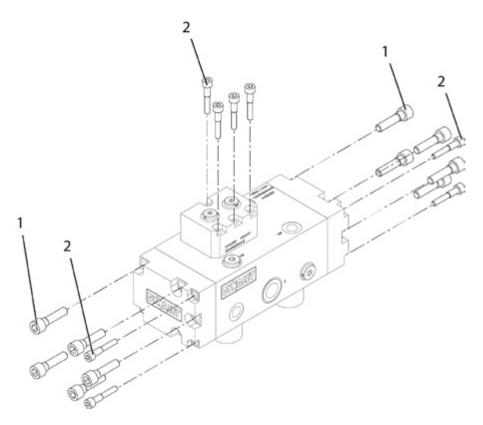
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 196		WATER VALVE KIT HOT		Includes pos. 1-4
1	*	2	WATER VALVE	Pressure	
2	*	2	WATER VALVE	Suction	
3	*	4	O-RING	20,3 x 2,62	Green
4	*	4	O-RING	27 x 2	Green

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

Seals are also available in Seal kit, see page 12.



# 8. SCREW KIT



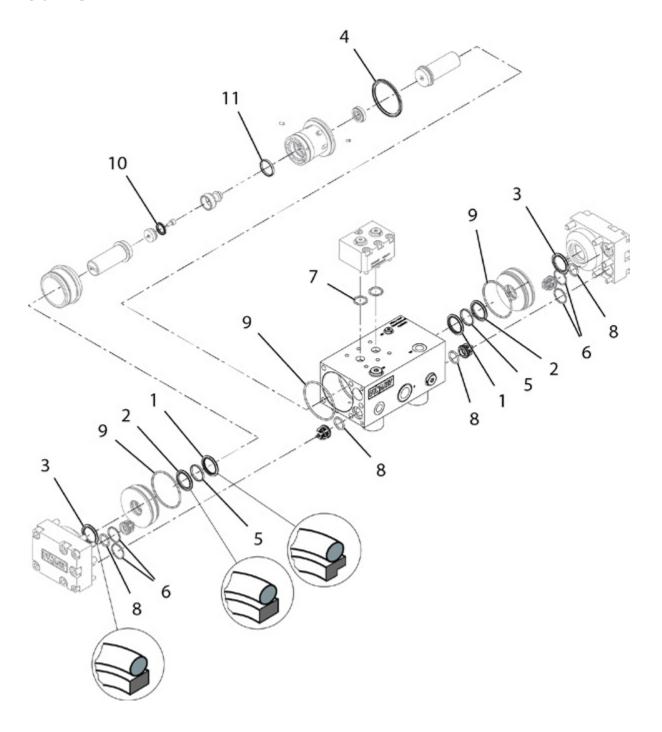
# NOTE! Tightening torques can be found in user manual.

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 200		SCREW KIT		Includes pos. 1-2
1	*	10	HEXAGON SOCKET CAP SCREW	M12 x 45	
2	*	8	HEXAGON SOCKET CAP SCREW	M8 x 45	
DOC	DADTAUIMDED	OTV.	DESCRIPTION	DETAILS	DETAILCO
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
POS	PART NUMBER V100 102 202	QTY	DESCRIPTION SCREW KIT M	DETAILS	DETAILS 2 Includes pos. 1-2
POS 1		QTY 10		DETAILS  M12 x 45	

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2



#### **SEAL KIT** 9.





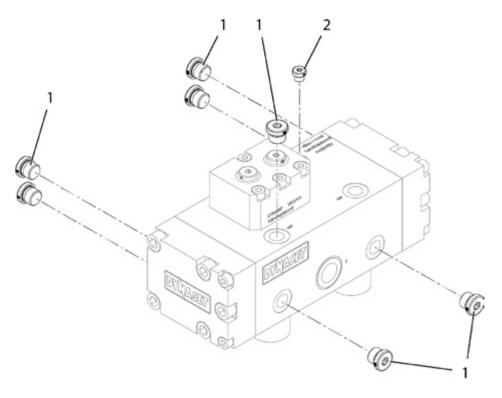
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 115		SEAL KIT		Includes pos. 1-9
1	*	2	WATER PISTON SEAL	1T	Includes o-ring
2	*	2	WATER PISTON SEAL	2T	Includes o-ring
3	*	2	WATER PISTON SEAL	2T - white	Includes o-ring
4	*	1	PISTON SEAL ASSEMBLY	M75	Includes o-ring
5	*	2	WEAR RING	30/33-3	
6	*	4	O-RING	27 x 2	
7	*	2	O-RING	21,3 x 2,4	
8	*	4	O-RING	20,3 x 2,62	
9	*	3	O-RING	69,52 X 2,62	
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 120		SEAL KIT HOT		Includes pos. 1-9
1	*	2	WATER PISTON SEAL	1T	Includes o-ring
					merades o mig
2	*	2	WATER PISTON SEAL	2T	Includes o-ring
3	*	2		2T 2T	_
			WATER PISTON SEAL		Includes o-ring Includes green
3	*	2	WATER PISTON SEAL WATER PISTON SEAL	2T	Includes o-ring Includes green o-ring
3	*	2	WATER PISTON SEAL WATER PISTON SEAL PISTON SEAL ASSEMBLY	2T M75	Includes o-ring Includes green o-ring
3 4 5	* *	2 1 2	WATER PISTON SEAL WATER PISTON SEAL PISTON SEAL ASSEMBLY WEAR RING	2T M75 30/33-3	Includes o-ring Includes green o-ring Includes o-ring
3 4 5 6	* * *	2 1 2 4	WATER PISTON SEAL WATER PISTON SEAL PISTON SEAL ASSEMBLY WEAR RING O-RING	2T M75 30/33-3 27 x 2	Includes o-ring Includes green o-ring Includes o-ring
3 4 5 6 7	* * * * * *	2 1 2 4 2	WATER PISTON SEAL WATER PISTON SEAL PISTON SEAL ASSEMBLY WEAR RING O-RING O-RING	2T M75 30/33-3 27 x 2 21,3 x 2,4	Includes o-ring Includes green o-ring Includes o-ring Green
3 4 5 6 7 8	* * * * * * *	2 1 2 4 2 4	WATER PISTON SEAL WATER PISTON SEAL PISTON SEAL ASSEMBLY WEAR RING O-RING O-RING O-RING	2T M75 30/33-3 27 x 2 21,3 x 2,4 20,3 x 2,62	Includes o-ring Includes green o-ring Includes o-ring Green

	V100 101 125		SEAL KIT HYDRAULIC PISTON		Includes pos. 4, 10, 11
4	*	1	PISTON SEAL ASSEMBLY	M75	Includes o-ring
10	*	1	PISTON SEAL ASSEMBLY	M24	Includes o-ring
11	*	1	ROD SEAL	30/33-3	

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2



# 10. PLUG KIT

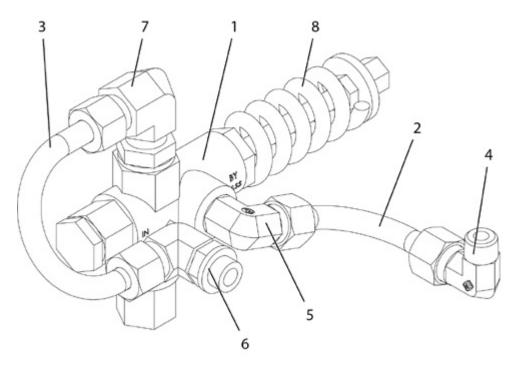


POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 137		PLUG KIT		Includes pos. 1-2
1	*	7	HEXAGON SOCKET CAP PLUG	R3/8	Stainless steel
2	*	1	HEXAGON SOCKET CAP PLUG	R1/8	Stainless steel

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2



# 11. UNLOADER VALVE



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 205		UNLOADER VALVE KIT		Includes pos. 1-7
1	V100 102 215	1	UNLOADER VALVE	520 bar	Includes spring
2	*	1	PIPE ASSEMBLY	Pressure	
3	*	1	PIPE ASSEMBLY	Bypass	
4	*	1	ELBOW MALE COUPLING	12S RK3/8	
5	*	1	ELBOW MALE COUPLING	12S RK1/2	
6	*	1	ADJUSTABLE ELBOW COUPLING	12S R3/8	
7	*	1	ADJUSTABLE ELBOW COUPLING	12S R1/2	
8	V100 102 220		UNLOADER VALVE SPRING		
	V100 102 214		UNLOADER VALVE PIPE ASSEMBLY		Includes pos. 2-3
V. 1.1	V100 102 210		UNLOADER VALVE INSTALLATION KIT		Includes pos. 2-7

<sup>\*</sup> Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2